

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
21 July 2005 (21.07.2005)

PCT

(10) International Publication Number  
**WO 2005/065022 A2**

(51) International Patent Classification: Not classified

(21) International Application Number:  
PCT/IL2004/001132

(22) International Filing Date:  
15 December 2004 (15.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
159801 11 January 2004 (11.01.2004) IL

(71) Applicant (for all designated States except US): **QUALITY BY VISION LTD.** [IL/IL]; Kohav Yokneam, 20692 Yokneam Ilit (IL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **LAOR, Ofer** [IL/IL]; 13/7 Dafna st., 71700 Modyin (IL). **MOLOCHNIKOV, Boris** [IL/IL]; 3/1 Hativoni st., 36831 Nesher (IL).

(74) Agent: **GOLD - PATENTS & FINANCIAL SERVICES LTD.**; 43, Rubinstein St., 34987 Haifa (IL).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

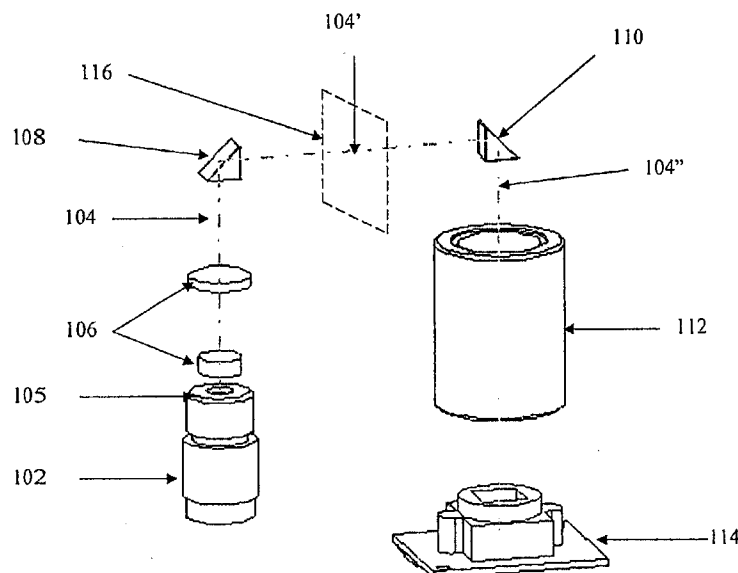
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SI, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

[Continued on next page]

(54) Title: OPTICAL APPARATUS FOR MEASURING TOOLING POSITION WITHIN A SEAMING MACHINE



(57) Abstract: The present invention provides an optical device for measuring characteristics of toolings, especially chuck and roll in a seamer. The optical device comprises a radiation source adapted to generate radiation, means for diverting the radiation so as to pass through a profile in the toolings, and a detector adapted to receive the radiation that passed through the profile. The characteristics of the toolings such as the profiles of a gap between the chuck and the roll, are processed from the detected radiation that passes through the profile.



---

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*